



**NATIONAL
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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KBM 20-07

AGRICULTURAL NEWS: The number one concern for most Kentucky farmers is the need for rain. Recently received showers were just not enough for many areas, particularly western counties. **Topsoil moisture** was rated 31 percent very short, 40 percent short, and 29 percent adequate. **Subsoil moisture** was rated 40 percent very short, 39 percent short, and 21 percent adequate. Days suitable for fieldwork averaged 6.2 days out of a possible 7 days. Farm activities last week included topping and some cutting and housing of tobacco, baling hay and feeding hay to cattle.

CORN: Crop condition for corn was rated 6 percent very poor, 9 percent poor, 21 percent fair, 42 percent good, and 22 percent excellent. Ninety-six percent of the corn has silked or was silking as of Sunday, August 5, just behind 97 percent for both last year and the five year average. Seventy-six percent was in the milk stage or beyond, compared to 74 percent for a year ago and the five year average of 78 percent. Fifty-one percent was in the dough stage or beyond, ahead of last year's 49 percent, but behind the five year average of 53 percent. Twenty-eight percent of the corn acreage was in the dent stage, compared to 25 percent for the previous year and the five year average of 27 percent.

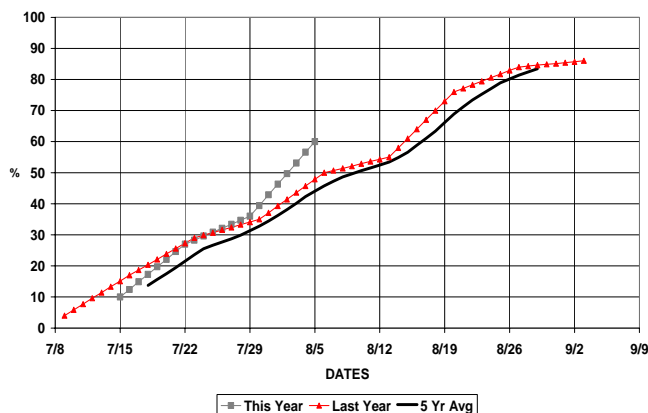
SOYBEANS: Sixty percent of the soybeans were setting pods, significantly ahead of last year's 48 percent and the five year average of 44 percent. The se soybeans will need much more rain during

this critical stage of development for adequate pod-fill. As of Sunday, August 5, eighty-four percent of soybeans were blooming, ahead of last year's 72 percent and the five year average of 70 percent. Soybean crop condition slipped compared to last week and was rated 6 percent very poor, 10 percent poor, 20 percent fair, 49 percent good, and 15 percent excellent.

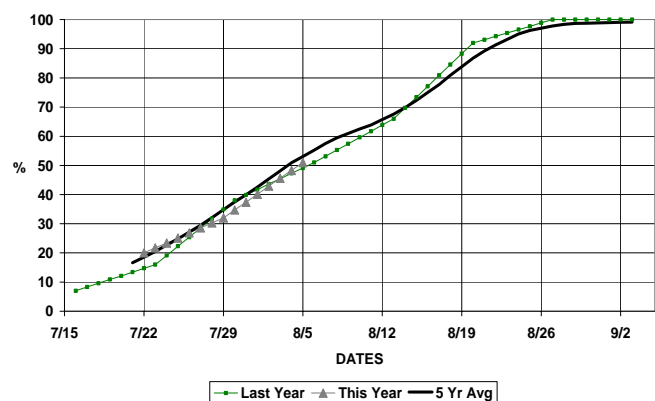
TOBACCO: There were several reports of black shank in some fields. Blue mold has been spotted in a couple of counties. However, the presence of these diseases is not considered serious at this time. Tobacco condition was rated 5 percent very poor, 12 percent poor, 25 percent fair, 44 percent good, and 14 percent excellent. As of Sunday, August 5, 66 percent of the burley tobacco was blooming or beyond, behind last year's 68 percent, but just ahead of the five year average of 65 percent. Forty-two percent of the burley had been topped, behind both last year's 49 percent the five year average of 43 percent. Seventy-eight percent of the dark tobacco has been topped, compared to 68 percent last year and average at 73 percent.

OTHER CROPS: Hay condition has not improved and remains in mostly poor to fair condition, with 21 percent very poor, 31 percent poor, 34 percent fair, 12 percent good, and 2 percent excellent. Pastures continue to suffer this summer with condition rated as 23 percent very poor, 27 percent poor, 33 percent fair, 15 percent good, and 2 percent excellent.

SOYBEANS SETTING PODS PROGRESS



CORN PERCENT DOUGH OR BEYOND



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 5, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	84	72	70	66	85
Setting Pods	60	48	44	36	51
Corn					
Silk Stage	96	97	97	91	90
Milk Stage	76	74	78	56	NA
Dough Stage	51	49	53	32	25
Dent Stage	28	25	27	12	4
Burley Tobacco					
Blooming	66	68	65	42	NA
Topped	42	49	43	21	NA
Dark Tobacco					
Topped	78	68	73	63	NA

(NA)Data Not Available.

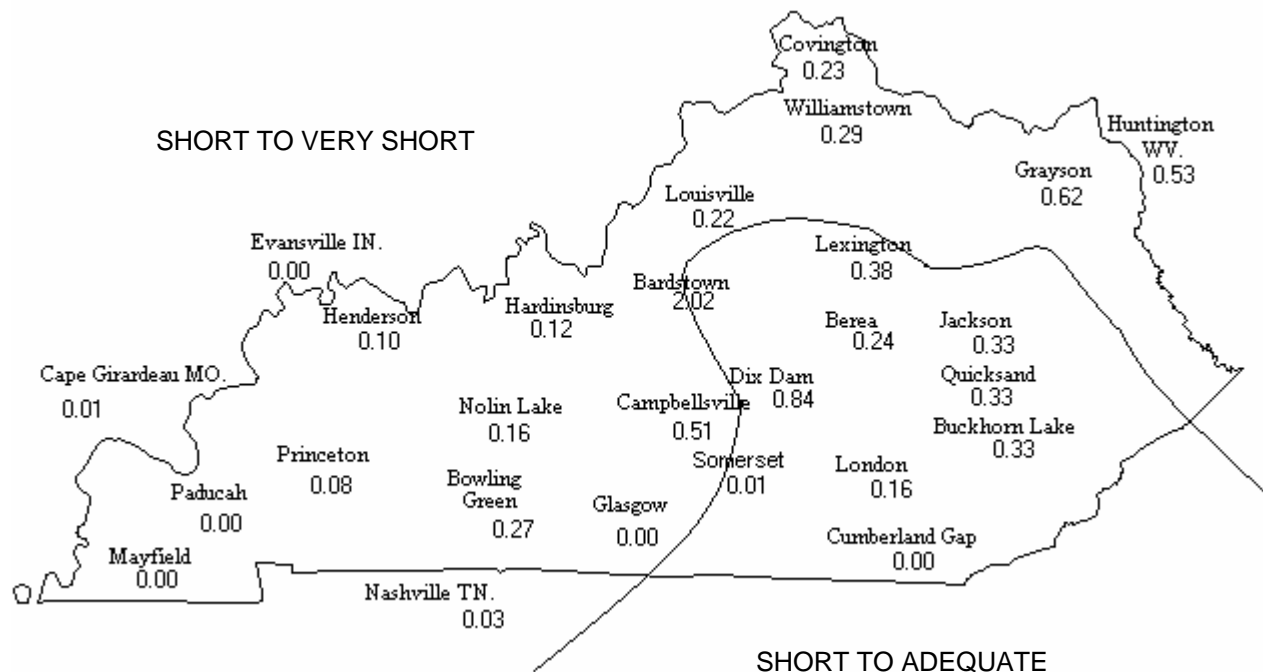
SOIL MOISTURE
WEEK ENDING AUGUST 5, 2007

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	31	23
Short	40	42
Adequate	29	34
Surplus	0	1
SUBSOIL		
Very Short	40	35
Short	39	38
Adequate	21	26
Surplus	0	1

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING AUGUST 5, 2007						WEEK ENDING JULY 29, 2007					
CROP	VERY POOR		FAIR	EXCEL- LENT		VERY POOR	POOR		FAIR	EXCEL- LENT	
	POOR	GOOD		POOR	GOOD		POOR	GOOD			
Corn	6	9	21	42	22	6	8	25	35	26	
Soybeans	6	10	20	49	15	3	8	20	40	29	
Pasture	23	27	33	15	2	20	32	30	15	3	
Hay Crops	21	31	34	12	2	20	33	31	14	2	
Tobacco	5	12	25	44	14	5	11	27	45	12	

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION
WEEK ENDING AUGUST 5, 2007



KENTUCKY WEATHER SUMMARY, JULY 30 - AUGUST 5, 2007:

Above Normal Temperatures and Below Normal Rainfall:

Typical summer weather pattern prevailed over the Bluegrass State last week as hazy, hot and very humid conditions were observed daily. Rainfall from isolated showers and thunderstorms were mostly limited to southeast sections of the State during the work week with slightly better coverage and amounts in the north central and east sections on Sunday. This was the first week with weekly temperatures averaging above normal in the past 5 weeks. Since May 1, the State had received 68 percent of normal rainfall. Moderate to severe hydrologic drought continued.

Temperatures for the period averaged 80 degrees across the State which was 4 degrees above normal and 7.4 degrees warmer than the previous week. High temperatures averaged from 94 in the West to 90 in the East. Departure from normal high temperatures ranged from 4 degrees above normal in the West to 4 degrees above normal in the East. Low temperatures averaged from 68 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 2 degrees above normal in the West to 4 degrees above normal in the East. Extreme high temperatures were in the upper 90s and extreme low temperatures were in the low to mid 60s.

Rainfall for the 7 day period totaled 0.31 inches statewide which was 0.59 inches below normal. Rainfall totals by climate division, West 0.03 inches, Central 0.47 inches, Bluegrass 0.47 inches and East 0.29 inches, which was -0.80, -0.46, -0.44 and -0.66 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Cumberland Gap, Evansville, Glasgow, Mayfield, and Paducah to a high of 2.02 inches at Bardstown.

Tom Priddy

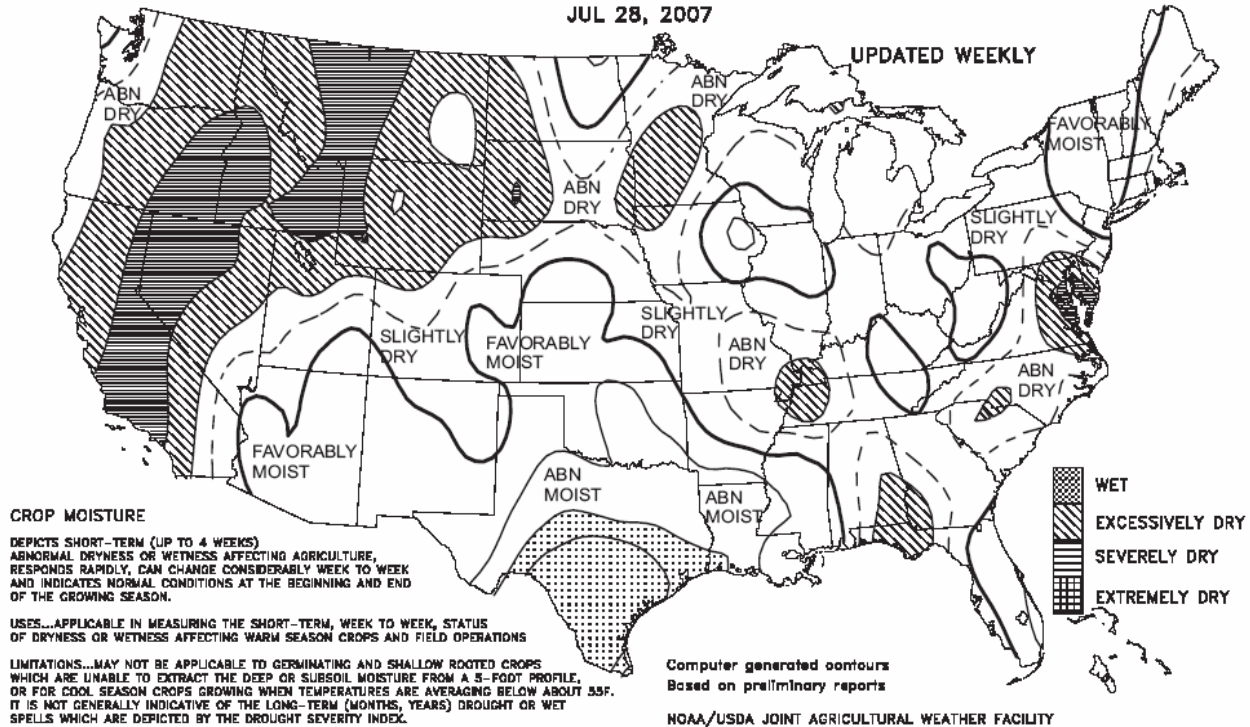
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 5, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	2.02	14.53	3.74	-3.11	-0.60	95	66	80.3	+5	187	2467	+183
Berea	0.24	14.00	3.95	-4.08	+0.03	92	66	79.1	+4	188	2469	+118
Bowling Green	0.27	12.16	2.25	-6.58	-1.83	98	68	82.6	+7	199	2624	+243
Bristol	0.40	10.44	3.86	-5.13	+0.14	92	64	77.5	+3	181	2268	+106
Buckhorn Lake	0.33	10.40	5.08	-7.04	+0.90	94	66	79.9	+5	189	2465	+404
Cape Girardeau	0.01	10.58	1.44	-6.61	-1.75	96	63	80.5	+3	184	2560	+51
Campbellsville	0.51	17.82	5.61	-2.38	+0.89	94	67	80.2	+5	189	2476	+155
Covington	0.23	8.09	1.29	-8.56	-2.40	96	66	80.8	+6	189	2355	+222
Cumberland Gap	0.00	13.91	4.94	-5.21	+0.33	94	66	79.9	+5	189	2468	+336
Dix Dam	0.84	14.30	4.09	-3.92	-0.22	93	66	79.4	+4	189	2426	+137
Evansville	0.00	11.03	1.37	-5.77	-2.13	97	65	81.7	+4	190	2542	+160
Glasgow	0.00	16.36	5.30	-3.81	+0.71	97	67	81.6	+6	194	2596	+305
Grayson	0.62	11.48	3.58	-5.71	-0.63	92	65	78.5	+4	185	2376	+371
Hardinsburg	0.12	14.64	3.79	-3.71	-0.36	94	66	80.2	+5	193	2584	+203
Henderson	0.10	14.82	3.56	-2.38	+0.01	95	65	80.3	+3	186	2518	+106
Huntington	0.53	8.50	1.82	-8.63	-2.47	93	64	78.4	+3	182	2353	+190
Jackson	0.33	9.91	3.27	-8.39	-1.27	90	68	78.1	+3	189	2407	+346
Lexington	0.38	14.57	5.03	-3.07	+0.69	93	66	79.1	+4	190	2391	+228
London	0.16	12.85	3.43	-4.24	-0.64	92	67	79.3	+4	190	2428	+296
Louisville	0.22	14.04	3.87	-3.35	-0.05	96	65	80.0	+4	187	2439	+52
Mayfield	0.00	7.44	0.72	-11.10	-3.23	94	66	79.9	+2	189	2476	+34
Nashville	0.03	8.88	0.46	-8.47	-3.04	99	66	84.1	+8	204	2739	+195
Nolin Lake	0.16	17.03	4.57	-2.55	+0.22	96	67	81.5	+6	194	2610	+417
Paducah	0.00	13.53	1.33	-5.20	-2.32	97	66	81.8	+4	191	2606	+128
Princeton	0.08	12.30	1.38	-6.25	-2.45	97	67	81.5	+4	190	2655	+208
Quicksand	0.33	9.81	3.22	-8.49	-1.32	94	66	79.9	+5	189	2468	+407
Somerset	0.01	13.68	5.03	-5.50	+0.77	93	66	78.9	+4	185	2301	+78
Spindletop	0.85	14.84	5.22	-2.80	+0.88	92	64	78.6	+4	189	2340	+177
Williamstown	0.29	14.83	4.07	-2.63	+0.11	94	66	80.1	+5	189	2372	+209

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.agwx.ca.uky.edu/>

Crop Moisture
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
JUL 28, 2007

UPDATED WEEKLY



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